

08/31/00
JC926 U.S. PTO

09-01-03

A

Please type a plus sign (+) inside this box → ☐

PTO/SB/05 (4/98)
Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))</small>	Attorney Docket No.	DB000858-000
	First Inventor or Application Identifier	Shane Ching-Feng Hu
	Title	APPARATUS FOR DETECTING MIXED INTERLACED AND PROGRESSIVE ORIGINAL SOURCES IN A VIDEO SEQUENCE
	Express Mail Label No.	EJ116542829US

APPLICATION ELEMENTS <small>See MPEP chapter 600 concerning utility patent application contents.</small>	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231	
1. <input checked="" type="checkbox"/> * Fee Transmittal Form (e.g., PTO/SB/17) <small>(Submit an original and a duplicate for fee processing)</small>	5. <input type="checkbox"/> Microfiche Computer Program (Appendix)	
2. <input checked="" type="checkbox"/> Specification [Total Pages 17] <small>(preferred arrangement set forth below)</small> <ul style="list-style-type: none">- Descriptive title of the Invention- Cross References to Related Applications- Statement Regarding Fed sponsored R & D- Reference to Microfiche Appendix- Background of the Invention- Brief Summary of the Invention- Brief Description of the Drawings (if filed)- Detailed Description- Claim(s)- Abstract of the Disclosure	6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) <ul style="list-style-type: none">a. <input type="checkbox"/> Computer Readable Copyb. <input type="checkbox"/> Paper Copy (identical to computer copy)c. <input type="checkbox"/> Statement verifying identity of above copies	
3. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 2]	ACCOMPANYING APPLICATION PARTS <ul style="list-style-type: none">7. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))8. <input type="checkbox"/> 37 C.F.R. § 3.73(b) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney9. <input type="checkbox"/> English Translation Document (if applicable)10. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations11. <input type="checkbox"/> Preliminary Amendment12. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)13. <input type="checkbox"/> * Small Entity Statement(s) <input type="checkbox"/> Statement filed in prior application, Status still proper and desired (PTO/SB/09-12)14. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)15. <input checked="" type="checkbox"/> Other: Information Disclosure Statement	
4. Oath or Declaration [Total Pages 2] <ul style="list-style-type: none">a. <input checked="" type="checkbox"/> Newly executed (original or copy)b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. § 1.63(d)) (for continuation/divisional with Box 16 completed)<ul style="list-style-type: none">i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).		
* NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).		
16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No: _____ Prior application information: Examiner _____ Group / Art Unit: _____ For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.		

17. CORRESPONDENCE ADDRESS					
<input type="checkbox"/> Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or <input checked="" type="checkbox"/> Correspondence address below					
Name	Edward L. Pencoske, Esq. Thorp Reed & Armstrong, LLP				
Address	One Riverfront Center				
City	Pittsburgh	State	PA	Zip Code	15222-4895
Country	U.S.A.	Telephone	412/394-7789	Fax	412/394-2555

Name (Print/Type)	Edward L. Pencoske	Registration No. (Attorney/Agent)	29,688
Signature	<i>E. L. Pencoske</i>	Date	31 August 2000

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Number: EJ116542829US

Date of Deposit: August 31, 2000

I hereby certify that this paper or fee is being deposited with the United States Postal Service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231

THORP, REED & ARMSTRONG, LLP
One Riverfront Center
Pittsburgh, PA 15222-4895

Suzanne Horvack

PATENT

Attorney Docket No.: DB000858-000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Shane Ching-Feng Hu)
Serial No.: Not Yet Assigned)
Filed: 31 August 2000)
Entitled: APPARATUS FOR DETECTING MIXED INTERLACED AND PROGRESSIVE
ORIGINAL SOURCES IN A VIDEO SEQUENCE

TRANSMITTAL FOR PATENT APPLICATION

To: Assistant Commissioner for Patents
Box PATENT APPLICATION
Washington, D.C. 20231

Dear Sir:

Enclosed for filing is the above-referenced patent application. Transmitted herewith for filing are:

1. Utility Patent Application Transmittal (Form PTO/SB/05);
2. Fee Transmittal (Form PTO/SB/17) and a check in the amount of \$1,968.00;
3. Seventeen (17) pages of specification including seventy-eight (78) claims;
4. Two (2) sheets of figures including four (4) informal drawings;
5. Declaration for Utility or Design Patent Application (PTO/SB/01);
6. Information Disclosure Statement; and
7. Information Disclosure Statement by Applicant (PTO/SB/08A).

Also enclosed is a return postcard. Please date stamp the postcard and return it to us to acknowledge receipt of this patent application.

The Commissioner is hereby authorized to charge any underpayment or credit any overpayment to our Deposit Account No. 20-0888. A duplicate copy of this Transmittal letter is enclosed.

Respectfully submitted,



Edward L. Pencoske
Reg. No. 29,688
THORP REED & ARMSTRONG, LLP
One Riverfront Center, 7th Floor
Pittsburgh, PA 15222-4895
(412) 394-7789

Dated: 31 August 2000
00252481

Attorneys for Applicant

00252481

<h1 style="margin: 0;">FEE TRANSMITTAL</h1> <h2 style="margin: 0;">for FY 2000</h2> <p style="font-size: small; margin: 0;">Patent fees are subject to annual revision. Small Entity payments <u>must</u> be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§ 1.27 and 1.28.</p>		Complete if Known													
TOTAL AMOUNT OF PAYMENT (\$) 1,968.00		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td style="width: 50%;"></td> </tr> <tr> <td>Filing Date</td> <td>31 August 2000</td> </tr> <tr> <td>First Named Inventor</td> <td>Shane Ching-Feng Hu</td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> <tr> <td>Group / Art Unit</td> <td></td> </tr> <tr> <td>Attorney Docket No.</td> <td>DB000858-000</td> </tr> </table>		Application Number		Filing Date	31 August 2000	First Named Inventor	Shane Ching-Feng Hu	Examiner Name		Group / Art Unit		Attorney Docket No.	DB000858-000
Application Number															
Filing Date	31 August 2000														
First Named Inventor	Shane Ching-Feng Hu														
Examiner Name															
Group / Art Unit															
Attorney Docket No.	DB000858-000														

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)																																																																																																																								
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:</p> <p>Deposit Account Number: 20-0888</p> <p>Deposit Account Name: Thorp Reed & Armstrong</p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other </p>	<h3>3. ADDITIONAL FEES</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105 130</td><td>205 65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127 50</td><td>227 25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139 130</td><td>139 130</td><td>Non-English specification</td><td></td></tr> <tr><td>147 2,520</td><td>147 2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112 920*</td><td>112 920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113 1,840*</td><td>113 1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115 110</td><td>215 55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116 380</td><td>216 190</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117 870</td><td>217 435</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118 1,360</td><td>218 680</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128 1,850</td><td>228 925</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119 300</td><td>219 150</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120 300</td><td>220 150</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121 260</td><td>221 130</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138 1,510</td><td>138 1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140 110</td><td>240 55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141 1,210</td><td>241 605</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142 1,210</td><td>242 605</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143 430</td><td>243 215</td><td>Design issue fee</td><td></td></tr> <tr><td>144 580</td><td>244 290</td><td>Plant issue fee</td><td></td></tr> <tr><td>122 130</td><td>122 130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123 50</td><td>123 50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126 240</td><td>126 240</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581 40</td><td>581 40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146 690</td><td>246 345</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>149 690</td><td>249 345</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td colspan="3">Other fee (specify) _____</td><td></td></tr> <tr><td colspan="3">Other fee (specify) _____</td><td></td></tr> <tr> <td colspan="2" style="text-align: right;"> SUBTOTAL (3) (\$) 0. </td> <td colspan="2"></td> </tr> </tbody> </table>	Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	105 130	205 65	Surcharge - late filing fee or oath		127 50	227 25	Surcharge - late provisional filing fee or cover sheet		139 130	139 130	Non-English specification		147 2,520	147 2,520	For filing a request for reexamination		112 920*	112 920*	Requesting publication of SIR prior to Examiner action		113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action		115 110	215 55	Extension for reply within first month		116 380	216 190	Extension for reply within second month		117 870	217 435	Extension for reply within third month		118 1,360	218 680	Extension for reply within fourth month		128 1,850	228 925	Extension for reply within fifth month		119 300	219 150	Notice of Appeal		120 300	220 150	Filing a brief in support of an appeal		121 260	221 130	Request for oral hearing		138 1,510	138 1,510	Petition to institute a public use proceeding		140 110	240 55	Petition to revive - unavoidable		141 1,210	241 605	Petition to revive - unintentional		142 1,210	242 605	Utility issue fee (or reissue)		143 430	243 215	Design issue fee		144 580	244 290	Plant issue fee		122 130	122 130	Petitions to the Commissioner		123 50	123 50	Petitions related to provisional applications		126 240	126 240	Submission of Information Disclosure Stmt		581 40	581 40	Recording each patent assignment per property (times number of properties)		146 690	246 345	Filing a submission after final rejection (37 CFR § 1.129(a))		149 690	249 345	For each additional invention to be examined (37 CFR § 1.129(b))		Other fee (specify) _____				Other fee (specify) _____				SUBTOTAL (3) (\$) 0.			
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																						
105 130	205 65	Surcharge - late filing fee or oath																																																																																																																							
127 50	227 25	Surcharge - late provisional filing fee or cover sheet																																																																																																																							
139 130	139 130	Non-English specification																																																																																																																							
147 2,520	147 2,520	For filing a request for reexamination																																																																																																																							
112 920*	112 920*	Requesting publication of SIR prior to Examiner action																																																																																																																							
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action																																																																																																																							
115 110	215 55	Extension for reply within first month																																																																																																																							
116 380	216 190	Extension for reply within second month																																																																																																																							
117 870	217 435	Extension for reply within third month																																																																																																																							
118 1,360	218 680	Extension for reply within fourth month																																																																																																																							
128 1,850	228 925	Extension for reply within fifth month																																																																																																																							
119 300	219 150	Notice of Appeal																																																																																																																							
120 300	220 150	Filing a brief in support of an appeal																																																																																																																							
121 260	221 130	Request for oral hearing																																																																																																																							
138 1,510	138 1,510	Petition to institute a public use proceeding																																																																																																																							
140 110	240 55	Petition to revive - unavoidable																																																																																																																							
141 1,210	241 605	Petition to revive - unintentional																																																																																																																							
142 1,210	242 605	Utility issue fee (or reissue)																																																																																																																							
143 430	243 215	Design issue fee																																																																																																																							
144 580	244 290	Plant issue fee																																																																																																																							
122 130	122 130	Petitions to the Commissioner																																																																																																																							
123 50	123 50	Petitions related to provisional applications																																																																																																																							
126 240	126 240	Submission of Information Disclosure Stmt																																																																																																																							
581 40	581 40	Recording each patent assignment per property (times number of properties)																																																																																																																							
146 690	246 345	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																							
149 690	249 345	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																							
Other fee (specify) _____																																																																																																																									
Other fee (specify) _____																																																																																																																									
SUBTOTAL (3) (\$) 0.																																																																																																																									

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Edward L. Pencoske	Registration No. (Attorney/Agent)	29,688
Signature		Telephone	412/394-7789
		Date	31 August 2000

WARNING:

Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.